INDEX TO "RADIO"

for the Year 1940

Issues 245 to 254, Inclusive

Amateur Newcomer

A.B.C. of Electric Wave Filters.....Nov., 58
A.C. Theory—*Dockendorf*.....Dec., 52
Audio Source and Monior—*Hayes*.....Oct., 60
B.C.L. Interference—*Ruebhausen*.....June, 57
Finding the 2.5-Meter Band.....Apr., 53
Inexpensive Multi-tester—*Broderson*....Feb., 62
Multiple Outlet Panel—*McNatt*.....Jan., 133
Oscillator-Transmitter—*Broderson*.....July, 56
2.5 Meter Transceiver.....May, 54

Antennas, Feeders and Masts

(see also: *Ultra-High Frequencies)*

Antennas for 112 Mc.—*Smith*.....Apr., 32
Bamboo Radiator Elements—*Murray*..June, 76
Bandswitching Ground Plane Vertical —*W6FFF*.....June, 10
Beam at K6BNR.....Oct., 10
Continuously Rotatable Two Band Array—*Jenkins*.....Jan., 87
Determining Radiation Patterns— *McNatt*.....Jan., 77
Double Twin-3 Beam—*Taylor* and *Kraus*.....Oct., 20
Feed Line Losses.....Apr., 54
Feeding a Multi-Element Array— *Alsop*.....Mar., 16
Feeding the Four Element Beam— *Thompson*.....May, 46
Feeding the "Plumber's Delight"— *Smith*.....May, 42
Feeding Rotaries—*Stone*.....Oct., 50
Glass Spreaders—*Wilson*.....July, 66
Impedance Calculations for Coaxial Lines—*Reber*.....Oct., 68
New Mast Material—*Smith*.....July, 22
Noise-Free Antenna—*Espy*.....Nov., 26
Non-Twisting Feeders—*Rimathe*.....June, 86
112 Mc. Rotary.....Nov., 38
Relay from Telegraph Sounder— *Sanders*.....Oct., 51
Rotary Lazy-H—*W6NKF*.....Feb., 11
Rotary Rotator.....June, 43
Shunt Fed Mobile Antennas—*Cruser*....Oct., 52
Stub and Line Practices—*Atchley*.....July, 20
Three-Band Rotary—*Kraus*.....Feb., 23
Top-loaded Verticals—*Kennedy*.....Apr., 20
Transmitting Antenna Vs. B.C.L. Interference—*Reubhausen*.....June, 57
Two-Band Rotary—*Rowe and Fisher*.....June, 23
224 Mc. Antenna—*Cann and Ulrich*.....Nov., 20
U.H.F. Antenna with Radials— *Hatfield*.....July, 66
X-H Array—*Smith*.....Apr., 34; May, 37

Book Reviews and Catalogs

Amateur Radio—*Fortune*.....Oct., 70
Amateur Radio Handbook—*Clarricoats*.....Oct., 70
Brass Pounder's Booklet—*Signal*.....Apr., 94
Builder's Handbook—*Allied Radio*....Oct., 96
Catalog—*Allied*....Apr., 93; May, 53; Oct., 96
Catalog—*Amphenol*.....Nov., 68
Catalog—*E. F. Johnson*.....Feb., 96
Catalog—*Leeds & Northrup*.....Feb., 61
Catalog—*Radio City Products*.....Dec., 81
Catalog—*Radio Wire Television*.....May, 53
Catalog—*Solar*.....Feb., 93
Catalog—*Stancor*.....Dec., 81
Catalog—*Turner*.....Feb., 96
Catalog of Replacements—*Thordarson*.....Feb., 96
Cathode Ray Bulletins—*Du Mont*....Nov., 91
Circuit Diagram Service—*Supreme*....Apr., 93
Dictionary of Radio Terms—*Allied*....Nov., 68
F.C.C. Publications.....Nov., 61
Ham Guide—*RCA*.....Oct., 70
Handbook of Chemistry and Physics —*Hodgman*.....Dec., 88
Master Catalog—*United*.....Apr., 23
Mike and Recorder Catalog—*Universal*.....July, 87
Mike Catalog—*Shure*.....Nov., 68
MYE Supplements—*Mallory*.....Feb., 96
Pack Catalog—*Stancor*.....Oct., 70
Radio as a Career—*Hornung*.....Nov., 91
Radio at Ultra-High Frequencies— *RCA Institutes Technical Press*....July, 87
Radio Document List.....Jan., 135
RADIO HANDBOOK.....Jan., 6
Radio Operating Questions and Answers—*Nilson & Hornung*.....Nov., 68
Radio Operators' License Guide— *Miller*.....Dec., 88
Radiotron Designer's Handbook— *Smith*.....July, 87
Receiving Tube Characteristics— *RCA*.....May, 53
Resistor Catalog—*Ward Leonard*.....Oct., 70
Replacement Manual—*Cornell-Dubilier*.....Mar., 66
Service Notes—*RCA*.....Dec., 8
Short-wave Station Guide—*G.E.*.....Oct., 70
Simplified Filter Design—*Smith*.....May, 90
Sunspot Data Booklet.....Jan., 144
Television—*Zworykin & Morton*.....July, 87
Transmitter Guide—*Thordarson*.....Nov., 68
Transmitting Tube List—*G.E.*.....Apr., 93
Tube Manual—*RCA*.....Mar., 66
Tube Manual—*Taylor*.....May, 53

Calls Heard

January.....157

En 620.5
+R11

Contests

(see also: *DX)*

Contest Scores ..... Jan., 115
Marathon Results (Final) ..... Apr., 47
U.H.F. Contest Rules ..... Dec., 78
World-Wide DX Contest. Winners and Scores..... Feb., 51; June, 49; July, 40; July, 55

Conventions and Hamfests

Boston Convention ..... Oct., 62
California Hamfest ..... Apr., 96
Hudson Division Convention ..... May, 96
I.R.E. Pacific Coast Convention ..... July, 75
Roanoke Division Convention ..... June, 97
Southwest Division Convention ..... July, 75
West Gulf Division Convention ..... June, 97

Diathermy

QRM Ordinance ..... Nov., 9
Stabilized Diathermy ..... Nov., 9
U.H.F. Radio Therapy—*Hutchins* ..... Jan., 39

DX

Countries and Prefixes ..... Jan., 121
DX—*Becker*..... Jan., 115; Feb., 51; Mar., 53; Apr., 47; May, 49; June, 49; July, 53; Oct., 45; Nov., 45; Dec., 49
DX Demise ..... July, 17
DX and Overseas News—*Becker* ..... Jan., 115
Great Circle Maps ..... Jan., 125-127
Long Range DX Trends—*Conklin* ..... July, 18
Marathon Results (Final) ..... Apr., 47
Puka Pinnacle—*Greenlee* ..... June, 11
W.A.A.P. ..... Oct., 45
W.A.Z. Honor Roll (see: *Becker's DX Department)*
World-Wide DX Contest Winners and Scores..... Feb., 51; June, 49; July, 40; July, 55

Emergency and Relief Work

Chicago Emergency Field Day—*Ruebhausen* ..... Jan., 99.

Expeditions

Byrd Antarctic Expedition III ..... Jan., 12, 23
Hams to Work—*Morrissey* ..... Nov., 61
Puka Pinnacle—*Greenlee* ..... June, 11

Federal Communications Commission

Amateur Calls ..... May, 95
Amendments to Regulations ..... Feb., 34
B.C. Frequency Reallocation ..... Nov., 97
Changing 14 Mc. Phone—*Breuer* ..... Oct., 78
Changing 14 Mc. Phone—*King* ..... July, 85
Changing 14 Mc. Phone—*Rosenberg*.... July, 79
Commercial FM Approved ..... Dec., 90
Commercial Licenses—*Dockendorf* ..... Oct., 40
Diathermy Rules ..... Dec., 9
DX Demise ..... July, 17
FM on 56 Mc. ..... June 6, 42
Hams to Work W10XDA and WHFZ ..... Nov., 61
New Examinations ..... July, 75
New Television Station in N.Y. ..... Nov., 96
Numbering System for Regulations.... Jan., 144
160 Meter Band Shift ..... Nov., 61
Order No. 75 Not Extended ..... Dec., 62
Order No. 73-A Clarified ..... Oct., 62
Ownership of Premises Defined ..... Nov., 94
Policing the Ether ..... Mar., 92
Portable-Mobile Prohibition ..... July, 13
Publications for Sale ..... Nov., 61
Unlawful QSO's ..... Dec., 62
Unlicensed Operator Convicted ..... July, 64

Fiction and Verse

Birth of a Broadcast Receiver—*Adams* ..... June, 70
Birth of a Notion—*Cash* ..... Dec., 64
Control Room Chuckles—*Pratt* ..... July, 70
Descant—*W6QVP* ..... Mar., 48
Fifty Watts Portable—*Haugard* ..... Nov., 64
Good Old Days—*Trice* ..... Jan., 32
Good Old Joe—*Groves* ..... Oct., 64
Oil is Well, II—*Stafford* ..... Jan., 146
Perils of Poston—*Johnson* ..... Feb., 66
QRX—*Cowan* ..... Nov., 92
Shattered Romance—*Humphrey* ..... May, 68
Story of the Ham and Egg—*Brunn* .... Apr., 70
Unsung—*Ledin* ..... Mar., 64

Five Meters

(see: *Ultra-High Frequencies)*

Frequency Modulation

Armstrong Frequency Modulation—*Kruse* ..... Apr., 43
Armstrong Talk ..... Oct., 44
Bibliography ..... Jan., 163
Commercial FM Approved by F.C.C..... Dec., 90
Deviation Measurements Simplified.... July, 84
Experimental FM Transmitter—*Seiler*.. Jan., 75
FM on 56 Mc. ..... June 6, 42
Frequency Modulation Fundamentals—*Singer and Harrison* ..... Jan., 13
Grid Bias FM ..... Feb., 48
New Station Applications ..... Jan., 82

APR 27 '42
999086

112 Mc. FM-AM Superhet—*Norton*....May, 11
Receiver Circuits for FM—*Brooks* .....Jan., 64
Single Ended Amplifier Design—*Foot*..Oct., 11
2½ Meter FM Transmitter—*Norton*....Apr., 11
Weak Signal FM Reception—*Ferrell*..Dec., 11
Wire Network Requirements.....Dec., 82

Hints

Antenna Relay from Telegraph Sounder—*Sanders* .....Oct., 51
Changing Crystal Frequency—*Winston* .....Apr., 92
Chassis Rejuvenation .....Jan., 168
Cleaning Crystals .....Mar., 72
Glass Spreaders—*Wilson* .....July, 66
Handling Relay Racks .....Mar., 30
Hum and Filament Voltage .....Nov., 81
Soldering Iron Tip .....Feb., 88
Soldering Technique .....Nov., 62
Transmitter Cabling—*W2TY* .....Jan., 178
Workshop Practice—*Caird* .....Jan., 69

Keying

(see also: *Transmitting)*

Keying Circuit Innovations .....Mar., 47
Keying Monitor .....Nov., 28
Primary Keying with a Bug—*Swan* ....Oct., 88

Meters and Measurements

A.C. Operated Ohmmeter—*Swenson*..Nov., 34
Audio Oscillator and Monitor—*Hayes* Oct., 61
Calibrating the R-Meter—*Morgan* .....July, 49
C.W. Monitor—*Ewing* .....July, 47
Diode Peak Voltmeter—*Honnell* .....Mar., 40
Dual Modulation Meter—*Gray* .....May, 28
Field Strength Meter—*Smith* .....Mar., 37
Field Strength Meter Duel .....Apr., 6
Modulation Indicator—*Ewing* .....July, 47
Modulation Monitor and Preamplifier—*Davis* .....Feb., 31
Monitor-Frequency Meter Correction—*Broderson* .....Jan., 144
Multi-tester—*Broderson* .....Feb., 62
913 Frequency Meter Modulation Monitor—*Baird* .....May, 38
100 Kc. Oscillator with A.F.C.—*Mason* .....Dec., 61
100 Kc. Standard and V.F.O.—*Stephens* .....Mar., 17, 37
Wide Range Audio Oscillator—*Dawley* .....June, 17
Wide-Range Audio Oscillator, Improved,—*Dawley* .....Dec., 16

Miscellaneous

A.C. Theory—*Dockendorf* .....Dec., 52
Amateur Radio Saves Life .....Dec., 62
Author! Author!—*McNatt* .....Dec., 39
Auto License Plates .....Jan., 123
B.C.L. Interference—*Ruebhausen* .....June, 57
Changing 14 Mc. Phone—*King* .....July, 85
Club Rates .....Jan., 6
Code Speed and Spelling .....Dec., 9
Color Television .....Nov., 96
Commercial Licenses—*Dockendorf* ....Oct., 40
Contributing Authors .....May, 20
Countries and Prefixes .....Jan., 121
Curing QRK—QTH—Personality—*Romain* .....July, 76
Direction Finding Simplified—*Smith*....Oct., 34
Low Power Record—*Matthews* .....July, 79
Multiple Outlet Panel—*McNatt* .....Jan., 133
New Alloy of Iron and Columbium....Dec., 86
New Station in New York .....Nov., 96
Photo Timer—*Norton* .....Mar., 23
Radio Document List .....Jan., 135
Robot Airplane Control .....Dec., 95
Scratchi .....Jan., 135
Soldering Technique .....Nov., 62
SSSS .....Mar., 89
Star Static—*Reber* .....July, 66
Television Articles .....July, 83
Three Dimensional Sound Reproduction .....Dec., 91
U. S. Naval Reserve Wants Men.....Nov., 89
Wire Networks for Program Transmission .....Dec., 82
Workshop Practice—*Caird* .....Jan., 69
World Time Chart .....May, 96
Y.L. Section .....Jan., 103

Mobile

(see: *Radiotelephony, Receiving, Transmitting, U.H.F.)*

New Apparatus

Adjustable Link Coils—*Bud* .....June, 68
Adjustable Negative Coefficient Capacitors—*Centralab* .....Dec., 85
Aircraft Microphone—*Universal* .....Nov., 66
Amplifier—*Radio Wire Television* ....Jan., 138
Antenna Relay—*Meissner* .....July, 68
Calculator—*Ohmite* .....Dec., 72
Capacitor Exam-eter .....Nov., 66
5-10 Mobile Expander—*RME* .....Feb., 70
Frequency Inverter—*RME* .....Feb., 89
5-10 Meter Receiver—*RME* .....Jan., 140
FM Components—*Browning* .....July, 91
Fuses—*Littlefuse* .....Nov., 66
Cathode Modulation Transformers—*Stancor* .....Feb., 70
Cath-O-Drive Transformers—*Kenyon* Feb., 70
Code Oscillator—*Bud* .....Jan., 138

Communications Receiver—*RCA* .....July
Crystal Mike—*Shure* .....Dec., 72
Crystal Mike—*Universal* .....July, 91
Directional Mike—*Turner* .....Jan., 136
Dynamotor—*Carter Motor Co.* .....Dec., 72
Electroplating Kit—*Rapid Electroplating Process* .....Nov., 95
Filter Unit—*Mallory* .....May, 66
500 Watt Adjustable Link Coils—*Bud* .....Apr., 68
5-10 Meter Converter—*Browning* .....Nov., 94
General Electric Tubes .....Feb., 70
Hand Mike—*Turner* .....June, 91
High Capacity Condenser—*Cornell Dubilier* .....Feb., 89
High Q U.H.F. Tank—*Lindberg Mfg. Co.* .....Apr., 68
Long-life Electrolytic—*Solar* .....Jan., 184
Loudspeaker—*RCA* .....July, 91
Midget Electrolytics—*Aerovox* .....June, 68
Movie Sound Synchronizer—*Presto Recording* .....Nov., 66
1941 Master Catalog—*Lafayette* .....Nov., 68
Plug-in Electrolytics—*Aerovox* .....July, 68
Portable Receiver—*Hallicrafters* .....Oct., 66
Portable Receiver—*R.M.E.* .....Jan., 140
Precision Frequency Monitor—*Browning* .....Apr., 96
Prong-base Electrolytics—*Aerovox* ....Jan., 138
Receiver—*RCA* .....July, 92
Record Surface Noise Filter—*RCA* ....Dec., 95
Rechargeable Flashlight Cells—*Quirk* Mar., 66
R.F. Amplifier Kit—*Cardwell* .....Apr., 60
RME-99 Receiver—*RME* .....June, 68
Robot Airplane Control—*Harvey Machine Co.* .....Dec., 95
Sealed Crystal Units—*G. E.* .....Oct., 66
Signal Calibrator—*Meissner* .....Jan., 140
Speaker—*RCA* .....Nov., 66
Split Stator Condenser—*Hammarlund* .....Feb., 90
S20-R—*Hallicrafters* .....Feb., 70
SX-25 Receiver—*Hallicrafters* .....May, 66
Ten Meter Mobile Converter—*Hughes-Mitchell* .....Feb., 90
Ten Meter Transmitter—*Hughes-Mitchell* .....Feb., 90
Test Equipment—*Aerovox* .....Mar., 66
Transmitter—*Hallicrafters* .....Nov., 90
Tube Connector—*Bud* .....Feb., 89
22X Mike—*Turner* .....May, 66
Variable Frequency Exciter—*Browning* .....Jan., 138
Wire for Iconoscopes—*Belden* .....Dec., 72
X-EC Improved—*Hughes-Mitchell* .....Feb., 90

Open Forum

Additions to Old Timer's List—*W1JIS* .....Oct., 68
Australian Inactivity—*VK2AEC* .....Feb., 61
Auto Call Plate—*W9TJH* .....Mar., 57
Cathode Modulation—*W6KQ* .....Mar., 57
Changing 14 Mc. Phone—*W8NCJ* .....July, 79
50 Years Up—*W1JIS* .....Apr., 67
Low Power Record—*W6EAK* .....July, 79
Moving 14 Mc. Phone—*Breuer* .....Oct., 78
Reduce Power—*Crowley* .....Mar., 91
Unsymmetrical Speech—*W9SCH* .....Feb., 61
WAC Store—*W2HNX* .....Mar., 57

Portable

(see: *Radiotelephony, Receiving, Transmitting, U.H.F.)*

Postscripts

Monitor—Frequency Meter Correction—*Broderson* .....Jan., 144
Rating System on RCA Receiving Tubes .....Jan., 142
Sunspot Data booklet.....Jan., 144

Radioddities

Radioddities are scattered throughout all issues.

Radiotelephony

(see also: *Transmitting, U. H. F., and Meters and Measurements)*

A.C.-D.C. 160 Meter Phone .....Nov., 32
A.M.C. with Controlled Negative Peak Bias—*Waster* .....Mar., 31
Audio Oscillator and Monitor—*Hayes* Oct., 60
Automatic Modulation Control—*Dawley* .....Mar., 25
Bias Cell Polarity.....Jan., 142
Cathode Modulation Notes—*Jones* ....Apr., 35
Extended Positive Peaks .....Apr., 66
15-Watt Amplifier—*Turney* .....Apr., 29
15-Watt Grid Modulator—*Norton* ....Dec., 35
Filter Design—*Tynes* .....May, 17; Oct., 62
Filter Theory.....Nov., 58
Grid Modulated Bandswitching Transmitter—*Goode* .....Nov., 23
Inexpensive Mike—*Sanders* .....Mar., 29
Load and Unload—*Burgess* .....July, 11
Matching Impedances—*Burgess*.....July, 11
Mighty Mite Band Jumper—*Griggs*....May, 21
Minimizing Noise Level in A. F. Systems .....Dec., 38
Modulation Meter—*Gray* .....May, 28
Modulation Monitor and Preamplifier—*Davis* .....Feb., 31
Parallel Cathode Modulation—*Dawley* .....Feb., 40
Phone—C. W. Changeover—*Black* ....Mar., 32

Portable Transmitter—*Striker* .....June, 33
Predistortion—*Smith* .....Feb., 29
75T's Cathode Modulated—*Turney and Kenyon* .....Jan., 25
Splatter Suppressor—*Smith*..Oct., 16; Nov., 94
30-Watt Flexible Phone-C.W. Rig—*Kolz* .....July, 27
Time Delay Control System—*Dixon*..Mar., 42
28 Mc. Mobile Transmitter .....June, 40
Volume Limiting Feedback Amplifier—*Nalley* .....Oct., 24; Dec., 26

Receiving

(see also: *Frequency Modulation, Ultra-High Frequencies)*

Auto-Alarm System for U.H.F.—*Williams* .....May, 44
Battery Powered Converter—*Dawley*..Apr., 23
Bias Cell Polarity .....Jan., 142
Calibrating the R-Meter—*Morgan*.....July, 49
Direction Finding Simplified—*Smith*....Oct., 35
Filter Theory .....Nov., 58
Fixed Frequency Receiver—*Moynahan* Oct., 36
5-Tube Super—*Norton* .....Feb., 18
14-112 Mc. Preselector—*Rehm* .....Oct., 30
14-28 Mc. Receiver—*Lundburg* .....Dec., 26
General Coverage Converter—*Conklin* .....May, 40
H.F. Converter—*Rothman* .....Dec., 43
High-Gain Mobile Converter—*Ruebhausen* .....Jan., 66
How About the Receiver?—*Crowley*....Jan., 57
Lucite and Lucite .....May, 95
Noise Limiters for C.W.....Mar., 49
Outboard Selectivity—*Smith*.....July, 24
Portable Bandswitching Superheterodyne—*Bowen* .....July, 33
Q.A.V.C. System .....May, 43
Regenerative I.F. Amplifier—*Eby* .....Nov., 21
Resonant Line Converter—*Ruebhausen* .....May, 34
Superhet Adjustment .....June, 62
Vibrator Supply—*Kauffman* July,80
Voltage Regulators .....Jan., 154

Ten Meters

(see: *Ultra-High Frequencies, Transmitting, Receiving*)

Transmitting

(see also: *Radiotelephony, Tubes, Ultra-High Frequencies, and Frequency Modulation)*

A.C.-D.C. 160 Meter Phone .....Nov., 32
A.C.-D.C. Transmitter—*Hayes* .....Nov., 30
Bandswitching 200 Watt Amplifier—*Dawley* .....Jan., 82
Cabling—*W2TY* .....Jan., 178
Carrier Operated Remote Control—*Waller* .....June, 13
Changing Crystal Frequency—*Winston* .....Apr., 92
Coil Winding Scheme .....Nov., 57
Compromise on QSY—*Burnett* .....Jan., 101
Concentric Line Circuits—*Conklin* .....Feb., 11
Crystal Controlled V.F.O. .....June, 31
E.C.O. Coils of Plated Invar. .....Nov., 53
Strictly 80 Meters—*Smith* .....Jan., 90
Filter Design—*Tynes* .....May 17; Oct. 62
Filtered Air Cooling—*W6ROA* .....July, 19
5 to 40 Meter R.F. Unit—*Sherrod* .....Nov., 10
Four-Band Bandswitching Exciter—*Stephens* .....Apr., 37
Four-Band Transmitter—*Kiernan* .....July, 43
Franklin Oscillator—*Norton* .....Jan., 41
High Power Final with TW-150's—*Adams* .....Apr., 27
How to Operate Transmitting Tubes—*Selvidge* .....Jan., 94
Hum and Filament Voltage .....Nov., 81
Keying Circuit Innovations.....Mar., 47
Keying Monitor .....Nov., 28
Keying Primary With a Bug—*Swan* ....Oct., 88
Low Power Transmitter—*Broderson*..July, 57
Lucite and Lucite .....May, 95
Mighty Mite Band Jumper—*Griggs*....May, 21
Negative Coefficient Adjustable Capacitors .....Dec., 85
150 Watt C.W. Transmitter—*Hammerschmidt* .....Oct., 26
160-Meter Amplifier—*Adams* .....Dec., 22
125-Watt Transmitter—*Bishop* .....Feb., 35
Portable Transmitter—*Striker* .....June, 33
Reduce Power—*Crowley* .....Mar., 91
75T's Cathode Modulated Phone or C.W.—*Turney & Kenyon*.....Jan., 25
1623 Transmitter-Exciter—*Rothman* ..... Jan., 35; May, 91
Ten Meter DX Explanation .....Mar., 58
Thermal Delay for Mercury Vapor Tubes—*Williams* .....Oct., 19
30-Watt Flexible Phone-C.W. Rig *Kolz* .....July, 26
Time Delay Control System—*Dixon*..Mar., 42
Trends on Ten—*Grening* .....Jan., 45
28-56 Mc. Transmitter—*Haarsch* .....Dec., 32
25 Watts in Full Dress—*Van Arsdale* .....Jan., 58
V.F.O. and 100 Kc. Standard.....Mar., 17
Vibrator Supply—*Kauffman* .....July, 80
Voltage Regulators .....Jan., 154

Tubes

1G4-GT Bantam .....May, 96

1R5, 1S4, 1S5, 1T4 Miniatures.....Jan., 136
5W4-GT High Vacuum Full-Wave Rectifier .....Nov., 76
6AD7-G Triode and Audio Pentode....Nov., 77
12A6 Beam Amplifier .....Nov., 76
117N7-GT Rectifier and Beam Amplifier .....Nov., 42
152TL-304TL—Eimac .....Apr., 95
825 Inductive Output U.H.F. Tube ....Nov., 42
827 U.H.F. High Power Beam Amplifier .....Nov., 41
829 U.H.F. Twin Beam Tetrode—RCA .....May, 94
833A High Power Triode .....Nov., 42
889R High Power Triode .....Nov., 42
1623 Triode Transmitter-Exciter—*Rothman* .....Jan., 35; May, 91
1627 Five Volt Version of 810 .....Nov., 42
1628 U.H.F.—RCA .....Apr., 68
1847—Iconoscope .....Nov., 41
8003 Medium Power Triode .....Nov., 42
HK257 Pentode Amplifier—*Dawley* ....Jan., 83
HY-31Z Instant Heating Twin Triode .....Nov., 41
HY69 Filament Beam Tetrode .....Mar., 66
HY75 U.H.F. Triode—*Hytron* .....May, 93
VR75-30: 75-Volt Regulator .....Nov., 76
TW-75—*Taylor* .....Apr., 94
Cheap U.H.F. Tubes .....June, 60
General Electric Tubes .....Feb., 70
How to Operate Transmitting Tubes *Selvidge* .....Jan., 94
Hum and Filament Voltage .....Nov., 81
Live "dead" pins .....Nov., 37
Rating Systems on RCA Receiving Tubes .....Jan., 142
RCA Preference List Reduced .....Dec., 94
Receiving Tube Characteristics—RCA May, 53
Tube Life Discovery .....Nov., 40
Tube Manual—RCA .....Mar., 66
Tube Manual—*Taylor* .....May, 53
Voltage Regulators .....Jan., 154

Ultra-High Frequencies

(see also: *Antennas, Radiotelephony Receiving, Transmitting, Tubes, Frequency Modulation)*

7-56 Mc. R.F. Unit—*Sherrod* .....Nov., 10
28 Mc. in War—*Corry* .....Jan., 134
28 Mc. Mobile Transmitter—*Driml*....June, 40
28-56 Mc. Mobile Rig—*W9QDA* .....Apr., 54
28 and 56 Mc. Resonant Line Converter—*Ruebhausen* .....May, 34
28-56 Mc. Transmitter—*Haarsch* .....Dec., 32
56 Mc. DX Explanation .....Oct., 59
56 Mc. Dx Honor Roll .....Dec., 56
56 Mc. Net .....Feb., 43
112 Mc. Antennas—*Smith* .....Apr., 32
112 Mc. Converter and 14-112 Mc. Preselector—*Rehm* .....Oct., 30
112 Mc. Crystal Transmitter—*de la Laing* .....Nov., 56
112 Mc. De Luxe Transceiver—*Smith* June, 28
112 Mc. FM-AM Superhet—*Norton*..May, 11
112 Mc. Inexpensive Transmitter..... June, 61;July, 64
112 Mc. Mobile Rig—*Haberlitz* and *Shannon* .....July, 14
112 Mc. MO-PA FM Transmitter—*Norton* .....Apr., 11
112 Mc. Propagation .....Oct., 62
112 Mc. Record .....June, 6; July,6
112 Mc. Rotary .....Nov., 38
112 Mc. 75T Transmitter .....June, 38
112 Mc. Superregen—*W9CQV* .....Feb., 80
112 Mc. Transceiver—*Babb* .....May, 54
112 Mc. Transceiver—*Smith* ..... Mar., 11; Apr., 66
112 Mc. Transmitter—*Falor* .....June, 61
112 Mc. Transmitter Hints ....June, 60, 61; July, 64
112-224 Mc. Hints—*Conklin* .....June, 45
112-224 Mc. Honor Roll .....Dec., 58
112-224 Mc. Rigs—*Conklin* .....July, 37
224 Mc. Antenna—*Cann* and *Ulrich*..Nov., 20
224 M. Antenna .....Cover Nov.
224 Mc. HY75 Oscillator .....June, 39
224 Mc. Record .....Oct., 62
224 Mc. Superregenerator .....Nov., 14
224 Mc. Transceiver—*Reed* .....Dec., 60
224 Mc. Transmitter—*Cann* and *Ulrich* .....Nov., 16
Antenna Adjustment .....May, 59
Antenna Polarization—*Conklin* .....Mar., 44
Antenna Polarization.....Jan., 131; Mar., 60 Apr., 55; May, 60; Oct., 83; Nov., 85; Dec., 55
Antenna Tuning Test—*W6AVR*..... .....Feb., 79; Mar., 61
Antennas for 112 Mc.—*Smith* .....Apr., 32
Auto-Alarm System—*Williams* .....May, 44
Cathode Injection .....Nov., 52
Cheap U.H.F. Tubes .....June, 60
Circuit Developments—*Conklin* .....Mar., 34
Coaxial Antenna Tuning—*W9PEI* ....Apr., 54
Coaxial Antenna Tuning—*W8QDU*....June,59
Coaxial Tuned Receiver Test—*W9SQE* and *W9VHG* .....Feb., 60
Coils of Plated Invar .....Nov., 53
Concentric Line Circuits—*Conklin*.....Feb., 11
Concentric Line Construction—*Falor*..June, 60
Concentric Line Receiver—*W2KLZ*....Jan.,132
Conductivity of Metals .....Apr., 60
Distance to Horizon .....Apr., 54
DX at U.H.F. .....Nov., 55
DX Classification .....Feb., 56
Feed Line Losses .....Apr., 54
Finding the 2½ Meter Band .....Apr., 53

Frequency-Length Table ..... May, 57
Frequency Measurement ..... May, 57
H.F. Converter—*Rothman* ..... Dec., 43
High Gain Mobile Converter—*Ruebhausen* ..... Jan., 66
Impedance Calculations for Coaxial Lines—*Reber* ..... Oct., 68
Lucite and Lucite ..... May, 95
M.O.P.A. Using Lines ..... Apr., 58
Minimum Cost Transceivers—*Harris* .. July, 31
Neutralization ..... Apr., 58
Noise Above 112 Mc. ..... Nov., 50
Oscillator With Single Tank .. Apr., 58; June, 61
Pipe Sources, (for concentric lines) .... Apr., 60
Question and Answer Dept. ..... Dec., 59
Radials with W.E. Antenna—*Hatfield* ..... July, 66
Receiver Sensitivity ..... Nov., 50
Short Coaxial Tuned Circuits .. May, 58; Oct., 57
Short Lines in Receivers ..... Apr., 58; May, 58; Oct., 57
Shunt Fed Mobile Antennas—*Cruser* ..... Oct., 52
Single Ended Amplifier Design—*Foot* ..... Oct., 11
1628 U.H.F. Triode—*RCA* ..... Apr., 68
Star Static—*Reber* ..... July, 66
Superheterodyne Adjustment ..... June, 62
Superhet Tracking—*Conklin* ..... Feb., 11
Superregen. Tip ..... July, 96
Television Articles? ..... July, 82
Ten Meter DX Explanation ..... Mar., 58
Transmitter Efficiency ..... May, 57
Transmitter Stabilization ..... Nov., 53
Trends on Ten—*Grening* ..... Jan., 45
Tubes at U.H.F. ..... May, 57 May, 59
Two Way Television with Voice ..... Nov., 39
U.H.F.—*Conklin* ..... Jan., 128; Feb., 56; Mar., 58; Apr., 54; May, 57; June, 59; July, 59; Oct., 53; Nov., 50; Dec., 55.
U.H.F. Oscillators ..... June, 39
V Beam Antennas ..... Apr., 54
Vibrator Supply—*Kauffman* ..... July, 80
Wavelength Table ..... May, 57
Weak Signal FM Reception—*Ferrell* .... Dec., 11
X-H Antenna Dimensions ..... May, 37

Yarn of the Month

(see: *Fiction*)

ANOTHER PUBLICATION BY THE EDITORS OF RADIO

68
66
62
11
96
82
58
57
53
45
59
39

64;
63;

39
54
80
57
11
37